

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-002

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period April 05-11, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period 04/05-04/11

FIRST AID INJURY	1	PROPERTY DAMAGE	1
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED Woy RK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		
Comments: An operator was dismounting the loader and while stepping down to the ground injured his knee resulting in a first aid injury. Property damage on the 349 excavator when a rock was lodged between the cab undercarriage and the track resulting in a bent inspection plate under the cab.			

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer for the reporting period.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, April 10, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Spokane Tribe of Indians
- Dawn Mining Company (DMC)/Newmont
- Stantec
- WME
- AJAX Ltd.
- Jacobs
- US Army Corps of Engineers

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- None

Regulatory Site Visit(s):

- Representatives from the EPA, the US Army Corp of Engineers and the Spokane Tribe were on site on April 10, 2019.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of April 05-11, 2019 the following activities were conducted:

- Excavating, hauling and placing material from the Lime Protore Stockpile 8 (SP8, low reactivity material), Ore Stockpile 4 (SP4, high activity/high reactivity material), and the north end of the South Waste Rock Pile (SWRP, low activity/low reactivity material) continued. Material from SWRP and SP8 were placed on the east and west side of Pit 4 to create the 20' rind buffer area. The materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume. Production was less than scheduled for the week due to 1.27" of rain that fell between April 5th and 9th.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
April 05-11, 2019	1,663	46,564
2019 Cumulative	4,081	114,268

1 – Truck load assumed to be 28 yd³

- Began constructing new access road ramp between utility crew trailers and existing haul road (see Figure 2 for location). The ramp is being constructed with material from the SWRP west of Lime Protore Stockpile 8 (SP8). This ramp will allow haul traffic to bypass hill at the toe of Ore Stockpile 4 and soft spots in the haul road across the western side of the SWRP.
- Began preparation for the relocation of the Horizontal Dewatering System (HDS) generator. The generator is currently located within the footprint of the Pit 4 backfill and will be relocated to an area outside the footprint.
- Pit 4 tension crack was measured on April 10th. The horizontal distance between movement pins remains at 53.75 inches.
- The utility crew removed the liner from the 400,000-gallon pond on April 11th (see Figure 5). The liner will be disposed of as demolition debris in Pit 4.
- The vertical dewatering riser heights remain at 200' for the Underdrain Sump (UDS) and 160' for the Waste Rock Dewatering Sump (WRDS).
- Construction crews repaired and replaced exclusion zone boundary rope and signage as needed (see Figure 3).

Stormwater Pollution Prevention Plan (SWPPP) Activities

- Annual SWPPP inspection by Ray Plummer, the Certified Construction Stormwater Manager on April 9th. This annual inspection doubled as the storm event inspection. The inspection report will be posted to the project SharePoint Site. There were no discharges from the Site due to the storm, and no new BMPs or maintenance activities were identified. Previously identified maintenance activities will be performed as conditions allow.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None

The following equipment was demobilized from the Site during this reporting period.

- None

All non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the week.

Bison Engineering was on Site on 4/2 to calibrate and relocate the meteorological station. The meteorological station was relocated from the winter location to the same area where the station was located during the 2018 construction season (between the utility crew laydown yard and the west crest of Pit 3). Dust monitors ES-1 and ES-3 were also calibrated. All other dust monitors were calibrated on 21 March, 2019, and trouble shoot and correct a communications problem with dust monitor ES-6.

Table 2 - TSP Dust Monitoring Locations during reporting period Apr 05 – Apr 11, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thu
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/E	E	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/E	E	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/E	E	D/N	D/N
ES-4 (roving)	Light vehicle road east of SP4	04/01/19	D/N			D/E	E	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19	D/N			D/E	E	D/N	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19	D/N			D/E	E	D/N	D/N
ES-8 (roving)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, etc.) – No Operation * Equipment malfunction (Battery)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted before or during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Approval Date
None			
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
RFI 2019-03	Placement of Wood Chips in Waste Containment Areas	3/11/2019	3/15/2019 Approval Denied by EPA Provide Additional Information Based on EPA Request to Address the 5 Items Outlined in their Response
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQA-CQC Field Acceptance Forms			
Acceptance No.	Title		CQC-CQA Issue Date
None			
Other Items			
Item	Title		Comments
None			

A copy of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature is summarized above within each work-feature section and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None during this time-period.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
 - High activity/low reactivity mine waste material excavated from Stockpile 8 and the North Waste Rock Pile (NWRP) was placed to construct the 20-foot buffer zone (rind) around the perimeter of the pit. High activity/high reactivity mine waste was excavated from Stockpile 4 and placed as unclassified waste in areas bounded by the 20-foot buffer zone.

- Stockpile 4
 - Contractor regrading the stockpile to establish an overall slope of 1.75:1 (H:V) from the crest-line at the top to the haul road below.
- Pit 4 HDS Pump System
 - Contractor preparing to move the HDS generator to a new location located within the southeast portion of Area 5.
- Quantity Surveys
 - CQC bi-weekly aerial quantity surveys in progress.
- Pit 3
 - Geostabilization International (GSI) representatives were on site 4/9/2019 to assess rock fall conditions within the pit area and discuss potential protection measures to be implemented.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee

Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – Excavation and loading operation at SP8, April 05th.



Figure 1 – Teal line shows approximate location of the new haul road ramp.



Figure 2 – Crew making repairs to exclusion zone signage near the Helipad located north of the field offices.



Figure 3 – Trucks hauling material into Pit 4 on April 11th.



Figure 5 – 400,000-gallon pond after the liner was removed.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

